



## AMENDMENTS

### IN THE SPECIFICATION:

Please amend the specification as follows:

On page 3, line 31, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 3, line 31, following "Figure 2", please insert --(SEQ ID NO:2)--.

On page 3, line 35, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 3, line 36, following "Figure 2", please insert --(SEQ ID NO:2)--.

On page 4, line 4, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 4, line 4, following "Figure 2", please insert --(SEQ ID NO:2)--.

On page 12, line 33, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 13, line 20, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 13, line 23, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 13, line 28, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 13, line 28, following "Figure 2", please insert --(SEQ ID NO:2)--.

On page 13, line 32, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 13, line 33, following "Figure 2", please insert --(SEQ ID NO:2)--.

On page 13, line 36, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 14, line 2, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 14, line 3, following "Figure 2", please insert --(SEQ ID NO:2)--.

On page 16, line 14, following "Figure 1", please insert --(SEQ ID NO:1)--.

On page 16, line 14, following "or 2", please insert --(SEQ ID NO:2)--.

On page 24, line 35, following "235,033 bp", please insert --(SEQ ID NO:1)--.

On page 25, line 1, following “(Figure 2)”, please ~~insert~~ --(SEQ ID NO:2)--.

On page 25, line 4, following “Figure 1)”, please ~~insert~~ --(SEQ ID NO:1)--.

On page 26, line 11, please ~~delete~~ “(SEQ ID NO:3)”.  
On page 26, line 11, following “CAAT”, please ~~insert~~ --(SEQ ID NO:3)--.

On page 26, line 20, please ~~delete~~ “(SEQ ID NO:4)”.  
On page 26, line 20, following “AGGT”, please ~~insert~~ --(SEQ ID NO:4)--.

On page 26, line 31, please ~~delete~~ “(SEQ ID NO:5)”.  
On page 26, line 31, please ~~delete~~ “(SEQ ID NO:6)”.  
On page 26, line 31, before “, and REV:”, please ~~insert~~ --(SEQ ID NO:5)--.

On page 26, line 32, before “were used to”, please ~~insert~~ --(SEQ ID NO:6)--.

On page 27, line 6, following “(Figure 2)”, please ~~insert~~ --(SEQ ID NO:2)--.

On page 27, line 8, following “(Figure 1)”, please ~~insert~~ --(SEQ ID NO:1)--.

On page 27, line 12, following “(Figure 1)”, please ~~insert~~ --(SEQ ID NO:1)--.

On page 28, line 15, please ~~delete~~ “(SEQ ID NOS:7-8)”.  
On page 28, at the end of line 17, please ~~insert~~ --(SEQ ID NO:7)--.

On page 28, at the end of line 18, please ~~insert~~ --(SEQ ID NO:8)--.

On page 28, line 21, please ~~delete~~ “(SEQ ID NOS:9-10)”.  
On page 28, at the end of line 23, please ~~insert~~ --(SEQ ID NO:9)--.

On page 28, at the end of line 24, please ~~insert~~ --(SEQ ID NO:10)--.

On page 28, at the end of line 28, please ~~insert~~ --(SEQ ID NO:11)--.

On page 28, line 36, please ~~delete~~ “(SEQ ID NO:11)”.  
On page 29, line 1, please ~~delete~~ “(SEQ ID NOS:12-13)”.  
On page 29, at the end of line 3, please ~~insert~~ --(SEQ ID NO:12)--.

On page 29, at the end of line 4, please insert --(SEQ ID NO:13)--.

On page 29, line 6, please delete “(SEQ ID NOS:14-15)”.

On page 29, at the end of line 8, please insert --(SEQ ID NO:14)--.

On page 29, at the end of line 9, please insert --(SEQ ID NO:15)--.

On page 29, line 11, please delete “(SEQ ID NO:16)”.

On page 29, at the end of line 12, please insert --(SEQ ID NO:16)--.

In Table 1, on page 1, line 1, please delete “(SEQ ID NOS:17-24)”.

After page 29, please delete the Sequence Listing on pages 30 through 267 and replace it with the substitute Sequence Listing submitted herewith on pages 38 through 276.

Please renumber pages 268-272 as 277-281, respectively.

After page 29, please insert Table 1 as pages 30-34 and please insert Table 2 as pages 35-37.

Following insertion of Table 1, on page 30, before line 1, please insert --Table 1A.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1, on page 31, before line 1, please insert --Table 1B.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1, on page 32, before line 1, please insert --Table 1C.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1, on page 33, before line 1, please insert --Table 1D.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1, on page 34, before line 1, please insert --Table 1E.

Polymorphic Sites in the HH Region.--.

Following insertion of Table 1 and Table 2, on page 35, before line 1, please insert --  
Table 2A. Polymorphic Allele Frequencies.--.

Following insertion of Table 1 and Table 2, on page 36, before line 1, please insert --  
Table 2B. Polymorphic Allele Frequencies.--.

Following insertion of Table 1 and Table 2, on page 37, before line 1, please insert --  
Table 2C. Polymorphic Allele Frequencies.--.

Following insertion of Table 1, on page 30, line 18, following "DEL", please insert --  
(SEQ ID NO:17)--.

Following insertion of Table 1, on page 30, line 39, following "DEL", please insert --  
(SEQ ID NO:18)--.

Following insertion of Table 1, on page 32, line 16, following "INS", please insert --  
(SEQ ID NO:19)--.

Following insertion of Table 1, on page 32, line 20, following "INS", please insert --  
(SEQ ID NO:20)--.

Following insertion of Table 1, on page 32, line 35, following "INS", please insert --  
(SEQ ID NO:21)--.

Following insertion of Table 1, on page 32, line 38, following "INS", please insert --  
(SEQ ID NO:22)--.

Following insertion of Table 1, on page 33, line 9, following "INS", please insert --  
(SEQ ID NO:23)--.

Following insertion of Table 1, on page 33, line 25, following "INS", please insert --  
(SEQ ID NO:24)--.